

## HDR-CX560V

## Full HD Camcorder w/ GPS and 12MP stills

With its back-illuminated "Exmor R" CMOS sensor, the HDR-CX560V HD Handycam® camcorder delivers superior low-light video. Full HD 60p recording capabilities offer incredibly detailed playback of your precious memories. The wide angle Sony® G Lens lets you capture more of the action with sharp images and brilliant, accurate colors.

- **1920x1080 Full HD 60p Recording w/12MP still image capture**  
The Sony® HDR-CX560V offers 1920 x 1080 high definition resolution letting you record your memories in exceptional Full High Definition quality. Capable of 60p recording and playback via HDMI™ and compatible HDTV<sup>4</sup> providing stunning clarity and incredibly detailed playback of your memories.
- **64GB embedded Flash Memory for up to 26 hours of recording<sup>1</sup>**  
The built-in 64GB<sup>1</sup> embedded Flash memory can record and store up to 26 hours of high definition video footage (HD LP mode).
- **Assignable Dial (Iris/Shutter/Exposure/WB/Focus)**  
Get the most out of your camcorder with enhanced manual controls. The assignable dial allows for control of focus, exposure, white balance, iris, and shutter speed.
- **Cinematone presets and 24p recording for cinematic quality video**  
For extra control over image expression, Cinematone technology is used to deepen the color and recreate film-like color tones. Combined with 24p recording, you'll have some of the tools you need to fulfill your need for cinematic expression.
- **Wide Angle G Lens to capture everything you want**  
Experience the pinnacle of Sony® lens technology with the professional-quality G Lens. Engineered for superior optical performance, Sony G lenses deliver brilliant, accurate color reproduction and sharp, amazingly detailed images. In addition, the 26.3mm focal length offers a broader perspective for enhanced wide angle shooting.
- **Back-illuminated "Exmor R" CMOS sensor for superb low-light video**  
Experience stunning low-light sensitivity with improved image clarity and drastically reduced grain with Sony's back-illuminated "Exmor R" CMOS sensor. Designed for compact cameras and camcorders, the "Exmor R" sensor relocates the photo diodes above the support circuitry, maximizing the light gathering area per pixel so you can shoot with better results in lower lighting conditions.
- **Optical Steadyshot™ image stabilization w/ Active Mode**  
Optical Steadyshot™ image stabilization with Active Mode compensates for greater degrees of camera shake to deliver stunningly smooth video from wide angle to full telephoto shooting. In addition, innovative 3-Way Shake-Canceling adds electronic roll stability for even smoother video capture.
- **14x Extended Zoom to get even closer to the action**  
Extended Zoom works in conjunction with 10x optical zoom to get even closer to the action while maintaining HD image quality.
- **3.0" touch-screen Xtra Fine LCD™ display (921K) w/TruBlack™ technology**  
The 3.0" (16:9) Xtra Fine LCD™ screen (921K) displays sharp, bright, vivid images, letting you compose a shot more easily -- even outdoors, while enabling you to change settings to best represent the scene. TruBlack™ technology brings remarkably higher contrast delivering more natural, realistic colors and easier viewing in bright conditions by reducing glare.
- **Tracking Focus follows selected subject**  
Tracking Focus works as an extension of Face Detection to allow you to select an object with a touch of the LCD and have the focus follow the selected object.
- **5.1ch Surround mic for vivid and dynamic surround sound.**  
Dolby® Digital 5.1 channel recording captures active sounds coming from all directions, so you can experience your home movies the way you experienced them while recording.
- **Wind noise reduction for clear voice recording**  
Wind Reduction reduces noise and interference that is produced when wind passes over the microphone, giving you a clearer and more enjoyable sound experience.
- **Expanded recording/monitoring with mic/headphone jack**  
Features dedicated mic and headphone inputs for expanded audio recording options and convenient monitoring of audio with headphones (external microphones and headphones sold separately).
- **Active Interface Shoe to attach intelligent accessories**  
The Active Interface Shoe lets you mount Intelligent Accessories, such as external lights and microphones, which can help extend the capabilities of your camcorder.
- **Event Browse groups video/stills by events automatically**  
Event Browse conveniently groups your images and videos together for easier viewing. The date range that Event Browse groups your pictures and videos is easily adjusted to suit your needs. When used with the Highlight Playback feature, making and sharing a highlight reel from your event is easy and fun.
- **Highlight Playback creates movies with transitions for you**  
Why spend hours editing your movies when you can let your camcorder do it for you? Highlight Playback identifies and compiles key scenes into a short, entertaining movie complete with music and transitions. You can even pinpoint the exact scene you want to include in the highlight reel.
- **Clear Phase stereo speakers for true and dynamic sound**  
Bring your video alive with Clear Phase stereo speakers. Drawing on Sony's high-end audio expertise, renowned S-Master™ digital amplifier technology is utilized to produce more true-to-life sound.
- **Geotagging with built-in GPS receiver & NAVTEQ® maps<sup>7</sup>**  
A built-in GPS receiver<sup>7</sup> makes the HDR-CX560V an ideal choice for travelers. The receiver gives you the ability to view your current location on the LCD map display, as well as "tag" your shooting locations. Tagged videos and still images can be reviewed and played back using the Map Index function on the camcorder or once downloaded to your PC using the supplied PMB (Picture Motion Browser) software<sup>9</sup>. Additionally, the receiver automatically adjusts your camcorder's clock to the proper time zone.



### ADDITIONAL FEATURES

- Built-in USB cable for easy file transfer/charge
- Intelligent Auto (90 different scene combinations possible)
- Golf Shot
- Built-in Flash

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## Specifications

### Convenience Features

Multiple Language Display: English; Simplified English; Brazilian Portuguese; Canadian French; Latin American Spanish  
Manual / Auto Lens Cover: Auto  
Quick On: Yes (Power On by LCD)  
S/S & Zoom button on LCD: Yes (Touch Panel)  
Fader Effect(s): White / Black  
Red-Eye Reduction: Yes (On / Off)  
Media/Battery Indicator: Yes (recordable time, free and used media space) / Yes (recordable time, remaining capacity)  
Power Save Mode: Auto Shut-off (5minutes)  
Still Image Playback Options: Slide Show  
Date / Time Stamp: Yes (Rec Date and Time, Camera info, Coordinates)  
Erase/Protect: Yes / Yes  
Video Playback Options: Highlight Playback (HD Movie Only); Highlight Playback Save and Share (Translate into STD quality); Highlight Scenario (Save/Playback/Erase); Highlight BGM (Preinstalled 4 music files, Music transfer)  
Built-in USB Cable: Yes (USB Charge Available)  
One Touch Disc Burn: Yes (Menu)  
View & Index: Event / MAP

### Optics/Lens

Aperture: F1.8-3.4  
Filter Diameter: 37mm  
Focal Distance: f = 3.8mm - 38mm; f = 5/ 32inch - 1 1/2inch  
Optical Zoom: 10x  
Digital Zoom: 120x  
Lens Type: G Lens™  
Focal Length (35mm equivalent): Movie Mode: 26.3mm - 263mm (16:9), 32.2mm-322mm (4:3); Photo Mode: 26.3mm - 263mm (16:9), 32.2mm-322mm (4:3)  
Minimum Focus Distance: Approx. 1cm (Wide), Approx. 80cm (Tele), Approx. 32cm (Tele Macro)  
Aperture Blade: 6 blades  
Lens Stabilization: Optical SteadyShot™ Image stabilization w/ Active mode (Wide to Tele)  
Extended Zoom: 14x  
SteadyShot Mode: Active: 27.4mm - 383mm (16:9)

### Power

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FV50)  
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)  
Power Consumption (in Operation): HD: 3.2W; STD: 3.0W

### Software

Operating System Compatibility: Windows XP SP3 \* /Windows Vista SP2 \*\* / Windows 7 \* 64-bit editions and Starter (Edition) are not supported. The Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required to use the function for creating discs. \*\* Starter (Edition) are not supported. Standard installation is required. Operation is not assured if the above OS has been upgraded or in a multi-boot environment.  
Supplied Software: PMB Ver. 5.5 Supports Windows XP Service Pack3 (SP3) (32bit), Windows Vista Service Pack2 (SP2) (32bit/ 64bit), Windows 7. PMB software is not supported by Mac OS.

### LCD Display

LCD Type: 3.0" Xtra Fine LCD™ display (921K) w/ TruBlack™ technology  
Angle Adjustment: Opening Angle: max. 90 deg., Turning Angle: max. 270 deg.  
Brightness Control: Yes (Menu)  
Coverage: 1  
Grid Display: Guide Frame  
Live View: Yes  
Touch Panel: Yes

### Advanced Features

Face Detection: Yes  
Image Stabilization: Optical SteadyShot™ Image stabilization w/ Active mode (Wide to Tele)  
Assignable Dial: Yes (Focus / Exposure / Iris / Shutter Speed / AE Shift / WB Shift Set)  
x.v.Color™ : Yes  
Smile Shutter™ technology: Dual Capture / Always On / Off  
Intelligent Auto: Portrait / Baby / Tripod / Backlight / Landscape / Spotlight / Twilight / Macro / Low light  
Embedded GPS: Yes (Current Position Display (Your Location))  
Golf Shot: Yes  
NightShot® Infrared System: Yes  
CinemaTone Gamma/Color: Yes  
Audio Level Display: Yes

Smooth Slow Rec: Yes  
Priority Setting (for Face Detection): Auto / Child Priority / Adult Priority  
S-Master: Yes

### Recording

Video Actual (Pixel): Approx. 6140K pixels (16:9), Approx. 4600K pixels (4:3)  
Dual Record: 12.3 megapixels 16:9 (4672x2628); 9.2 megapixels 4:3 (3504 x 2628)  
Photo Capture from Movie: 2.1 megapixels 16:9 (1920x1080); 307K pixels 4:3 (640x480); 230K pixels 16:9 (640x360)  
Audio Format: Dolby® Digital 5.1ch, Dolby® Digital 5.1 Creator; Dolby® Digital 2ch Stereo, Dolby® Digital Stereo Creator  
Microphone/Speaker: Built-in Zoom Microphone; Clear Phase Stereo Speaker  
Still Image Max Effective Resolution: 12.3 megapixels  
Still Image Mode: JPEG  
Video Format: HD: MPEG4-AVC/H.264 AVCHD format compatible (1080/60p:original format); STD: MPEG2-PS  
Video Signal: NTSC color, EIA standards  
Video Mode: HD PS: Approx. 28Mbps / FX: Approx. 24Mbps / FH: Approx. 17Mbps / HQ: Approx. 9Mbps / LP: Approx. 5Mbps; STD HQ: 9Mbps  
Media Type: Internal Flash Memory; Memory Stick PRO Duo™ (Mark 2); Memory Stick PRO-HG Duo™ ; SD / SDHC / SDXC Memory Card (Class 4 or Higher)  
Recording and Playback Times: HD PS: Approx. 5h15m (Approx. 5h15m); HD FX: Approx. 6h10m (Approx. 6h10m); HD FH: Approx. 8h25m (Approx. 8h25m); HD HQ: Approx. 15h00m (Approx. 11h20m); HD LP: Approx. 26h20m (Approx. 21h30m); STD HQ: Approx. 15h25m (Approx. 14h25m)  
Still Image Size 16:9: Movie mode: 12.3 megapixels 16:9 (4672x2628); Photo mode: 12.3 megapixels 16:9 (4672x2628)  
Video Resolution: HD: 1920x1080/60p (PS), 24p, 60i (FX, FH), 1440x1080/60i (HQ, LP); STD: 720x480/60i  
Still Image Size 4:3: Movie mode: 9.2 megapixels 4:3 (3504x2628); Photo mode: 9.2 megapixels 4:3 (3504x2628)  
Mic Level Control: Yes (2steps)  
Still Image File Format: DCF Ver. 2.0 compatible, Exif Ver. 2.3 compatible, MPF Baseline compatible  
Wind Noise Reduction: Yes (Off / On)  
Wind Position: Yes (Auto)  
Internal Media: Flash Memory 64GB  
Recording and Playback Times (in Internal Media) (5.1ch): HD PS: Approx. 5h10m; HD FX: Approx. 6h10m; HD FH: Approx. 8h20m; HD HQ: Approx. 14h40m; HD LP: Approx. 25h25m; STD HQ: Approx. 15h15m

### Exposure System

Minimum Illumination: Standard: 11 lux (1/60 Shutter Speed); Low Lux: 3 lux (1/30 Shutter Speed); NightShot: 0 lux (1/60 Shutter Speed)  
Exposure Settings: Auto; Flexible Spot (Touch Panel); Manual (Dial)  
D-Range Optimizer: Yes  
Scene Mode(s): Auto / Twilight / Twilight Portrait (Photo Mode only) / Sunrise & Sunset / Fireworks / Landscape / Portrait / Spotlight / Beach / Snow  
White Balance Mode: Auto / Onepush / Outdoor / Indoor  
Exposure Compensation: AE Shift (Dial / Touch Panel)  
Metering Modes: Multi-segment / Spot  
Noise Reduction: Yes  
Auto Iris Control: F1.8 - F9.6  
Backlight Compensation: Yes (Auto)  
Gain Control: Auto  
LOW LUX Mode: Yes  
Manual Iris Control: F1.8 - F9.6 (11steps)  
WB Shift: Yes

### Interface

Accessory Shoe: Yes (Active Interface Shoe)  
Direct Copy: Yes  
BRAVIA® Sync™ : Yes  
SD Output: Composite Video Out (A/V connecting cable (supplied)); Component Video Out (Component A/V cable (supplied)); S Video Out (A/V connecting cable with S Video (sold separately))  
USB Port(s): (TypeA, mini-AB/USB2.0 Hi-speed (mass-storage/MTP)  
HD Output: HDMI Out (mini) (sold separately); Component Video Out (Component A/V cable (supplied))  
PhotoTV HD: Yes  
Headphone Jack: Stereo Minijack  
Microphone Input: Stereo Minijack  
Memory Card Slot: Memory Stick PRO Duo™ and SD / SDHC / SDXC media compatible  
Remote Commander: Yes  
Remote Jack: Integrated into A/V Remote terminal  
DVR Direct: Yes (DVR Direct Express, DVD Writer supported (sold separately))  
A/V Remote Terminal: Video / S Video / Audio / Component Out / Remote

DC IN: Yes  
HDMI Terminal: Yes (mini)

### Imaging Sensor

Processor: BIONZ™ Image processor  
Effective Picture Resolution: Approx. 6140K pixels (16:9)  
Imaging Sensor: 1/2.88" (6.2mm) Back-illuminated "Exmor R" CMOS Sensor  
Pixel Gross: Approx. 6650K pixels  
Color Filter System: ClearVid™ array

### Flash

Flash Type: Built-in Flash  
Flash Coverage: Approx. 0.3m - 1.5m  
Flash Modes: Auto / Forced / Prohibited  
Flash Compensation: Yes (3 steps)  
Flash Metering System: Pre-flash TTL

### Focus Control

Focus System: Contrast AF  
AF Modes: Auto / Manual (Touch Panel / Dial)  
Focus Area: Full range Focus / Spot Focus  
Focus Features: Tracking Focus  
AF Illuminator: Yes  
Manual Focus Assist: Manual Focus Assist

### Service and Warranty Information

Limited Warranty Term: Limited Warranty – 1 Year Parts; 90 Days Labor

### Dimensions

Measurements: Approx. 2 1/2inch x 2 3/4inch x 5 3/8inch (62mm x 67mm x 133.5mm)

### Supplied Accessories

Rechargeable Battery Pack (NP-FV50) (1)  
AC Adaptor (1)  
Power Cord (1)  
Component A/V Cable (1)  
A/V Connecting Cable (1)  
USB Connection Support Cable (1)  
CD-ROM ("Handycam" Application Software) (1)  
Remote Commander (RMT-835 with Battery (CR2025)) (1)  
\*Operating Guide\* (1)

### Optional Accessories

Rechargeable InfoLITHIUM Batteries (NP-FV50 / FV70 / FV100)  
AC Adaptor / Charger for V series batteries (AC-VQV10)  
Travel Charger (BC-TRV)  
HDMI Cable (mini) (VMC-30MHD)  
Tripod (VCT-80AV)

Color: (B) Black  
UPC Code: 027242820128

- 64GB equals 64 billion bytes. A portion of the total storage is used for system management and/or application files. Actual Capacity is approximately 63.1GB after removing 300MB demo video.
- HD viewing requires compatible HDTV and HDMI™ cable, both sold separately.
- NAVTEQ® map detail on the camcorder is limited in some areas. By using a compatible PC, a broadband Internet connection, and supplied Picture Motion Browser software, your photos and videos can be shown on an online map service. The online map service is currently provided courtesy of Google, and is subject to change or termination without notice.
- Requires Microsoft® Windows® XP SP3/ Windows Vista® SP2/Windows 7. PMB software is not supported by Mac® OS.
- Requires VMC-UAM1 cable (sold separately), AC power for camcorder, and hard drive formatted in FAT-32. USB-hub not supported. External HDD/USB media should be less than 2TB (Terabytes).

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